

***LineUp With Math™* Alignment**  
**Iowa K-12 Content Standards and Benchmarks**

**A. Students can understand and apply a variety of math concepts.**

<b>Benchmarks</b>	<b><i>LineUp With Math™</i> Activities</b>
2. Students can understand and apply concepts and procedures of algebra.	--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.
3. Students can understand and apply concepts of geometry.	-- Predict and plot the relative motion of two or more airplanes on given paths.
4. Students can understand and apply concepts of measurement.	--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

**B. Students can understand and apply methods of estimation.**

<b>Benchmarks</b>	<b><i>LineUp With Math™</i> Activities</b>
1. Students can understand and apply concepts and procedures of standard rounding, order of magnitude, and number sense.	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

**C. Students can solve a variety of math problems.**

<b>Benchmarks</b>	<b><i>LineUp With Math™</i> Activities</b>
1. Students can solve math problems.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.
2. Students can understand and apply problem-solving approaches and procedures.	--Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts.